

ATTACHMENT VI
TECHNOLOGY INNOVATIONS FUND
QUARTERLY PROJECT STATUS SUMMARY

August 25, 2004

On March 1, June 1, September 1, and December 1, E-Mail the following status information to the Council Chairman at [this address](#).

Department/Agency: LSU/Computing Services

Name of Project: Exploiting Linux Services in Louisiana

LTIF Log No.: 03/300

Project Coordinator: William Beyer, 225-578-1981, bill@lsu.edu

Project Status: On Schedule

Since the last report, dated May 21, 2004, we have tested the ability of a z/Linux virtual machine to access disk storage over a Storage Area Network (SAN), bypassing the disk virtualization provided by z/VM. This gives direct access to much larger disks than the native 3390 architecture and is useful in targeted database and other specialty applications. Our test platform used disk space on an HP SAN-attached storage unit as well as the IBM Enterprise Storage Server (SHARK).

We've implemented flashcopy, a high speed disk duplication technique available on the SHARK storage unit, for daily backups of the z/VM system disks.

We have implemented alarm notification using the macro facilities of the Velocity Software monitoring suite. These are implemented with SNMP modules in each virtual machine reporting back to the central Velocity Software monitors for alert distribution.

A presentation was made at the CISD Linux and Open Source Technical Day in which we cloned a virtual Linux machine and used it to set up a simple web site. We are scheduled to make a presentation on the project at the Fall CISD conference. As part of this outreach effort, we are discussing the possibility of offering introductory Linux training.

Date: August 25, 2004

Percent Complete: 60% as planned

Explanation¹:

¹Note: An explanation should be provided if the project's "percent complete" is behind the baseline "percent complete" established with the MOU.